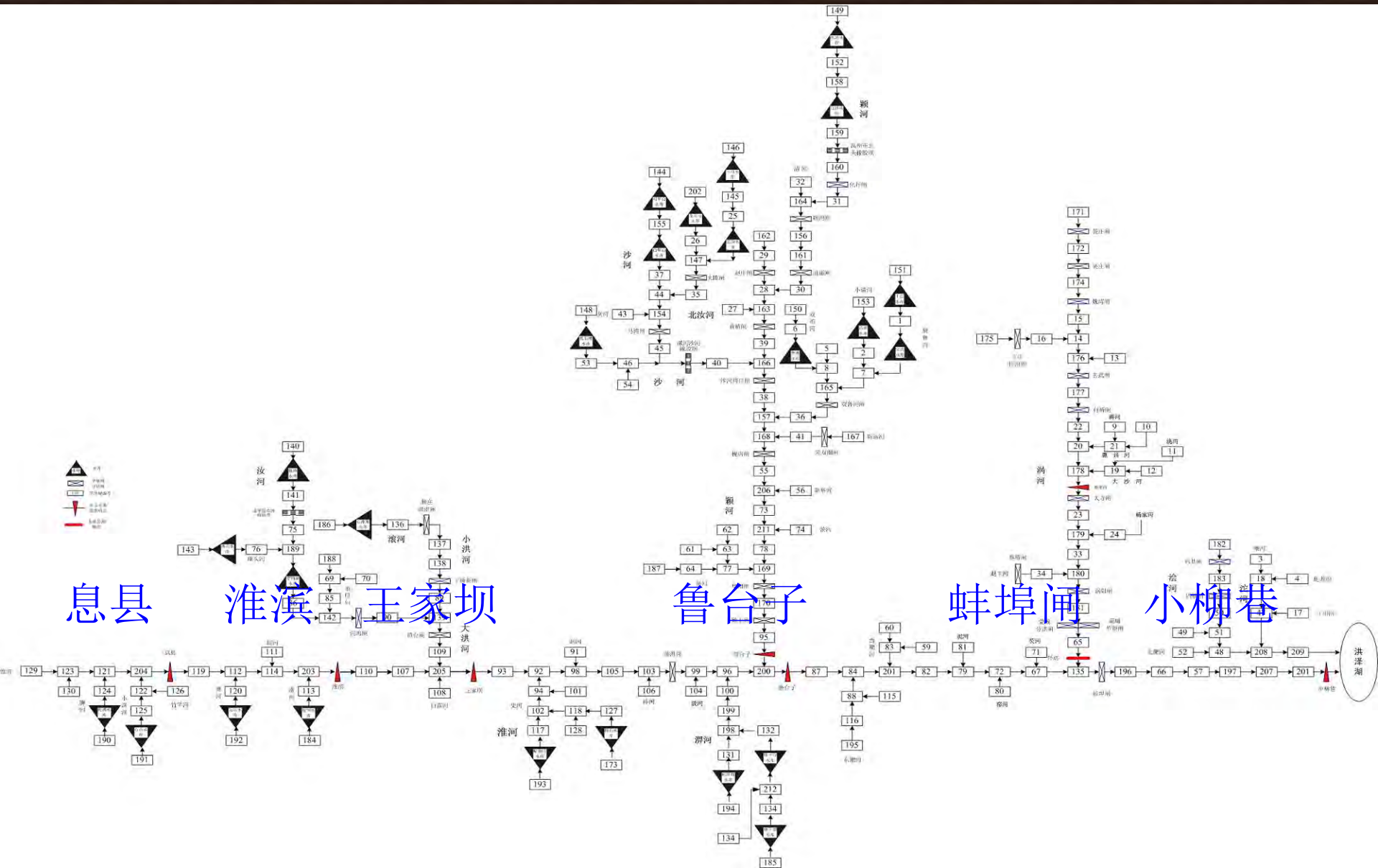
Huai River network of with operations of reservoirs and flood gates



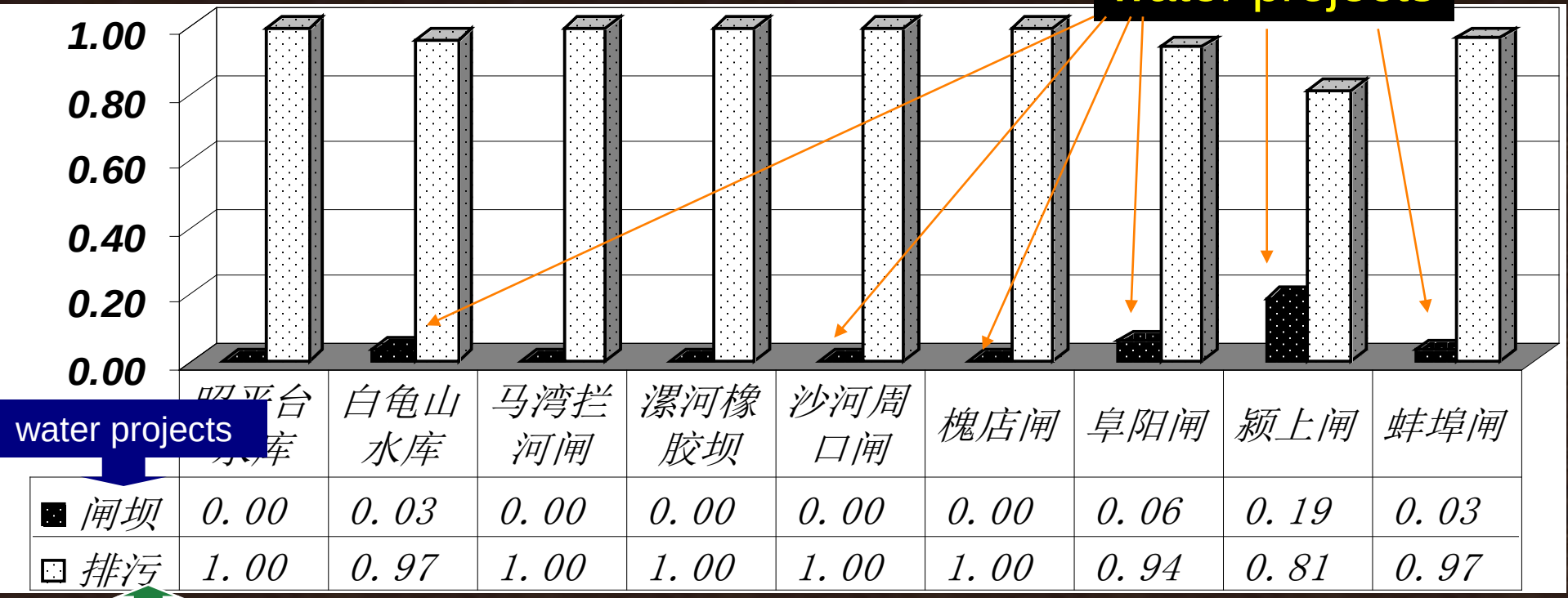
3. Developing innovation tools based on integrated models to assess impacts of <u>dams & sluices</u> and <u>climate change</u> on

- *River flow regimes*
- *Water quality*
- *Ecosystem*

and water quality management to improve river quality by water project operation and restoration technologies.

Assessing contribution of the river pollution events for the overload waste water and water projects

Normalization rate



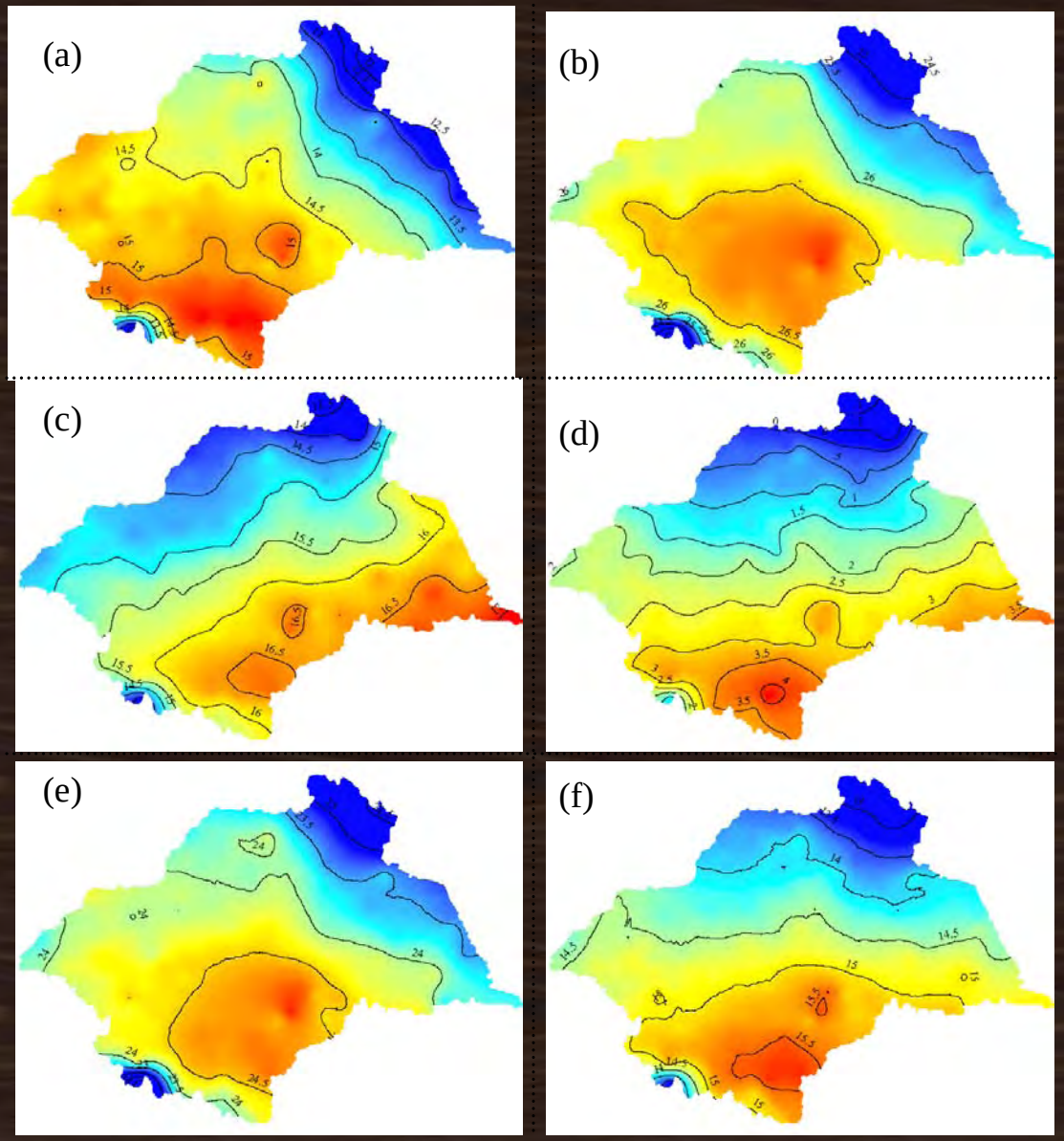
	昭平台水库	白龟山水库	马湾拦河闸	漯河橡胶坝	沙河周口闸	槐店闸	阜阳闸	颍上闸	蚌埠闸
闸坝	0.00	0.03	0.00	0.00	0.00	0.00	0.06	0.19	0.03
排污	1.00	0.97	1.00	1.00	1.00	1.00	0.94	0.81	0.97

water projects

waste water discharge

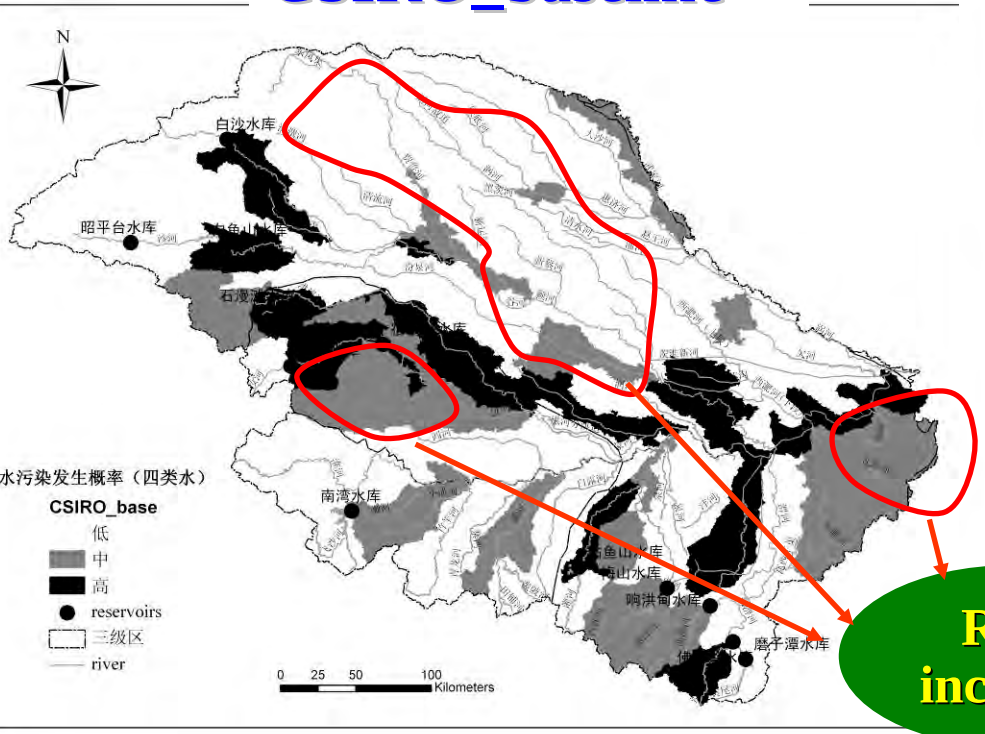
Upstream (reservoirs)

Middle & down stream (with waste water discharge)

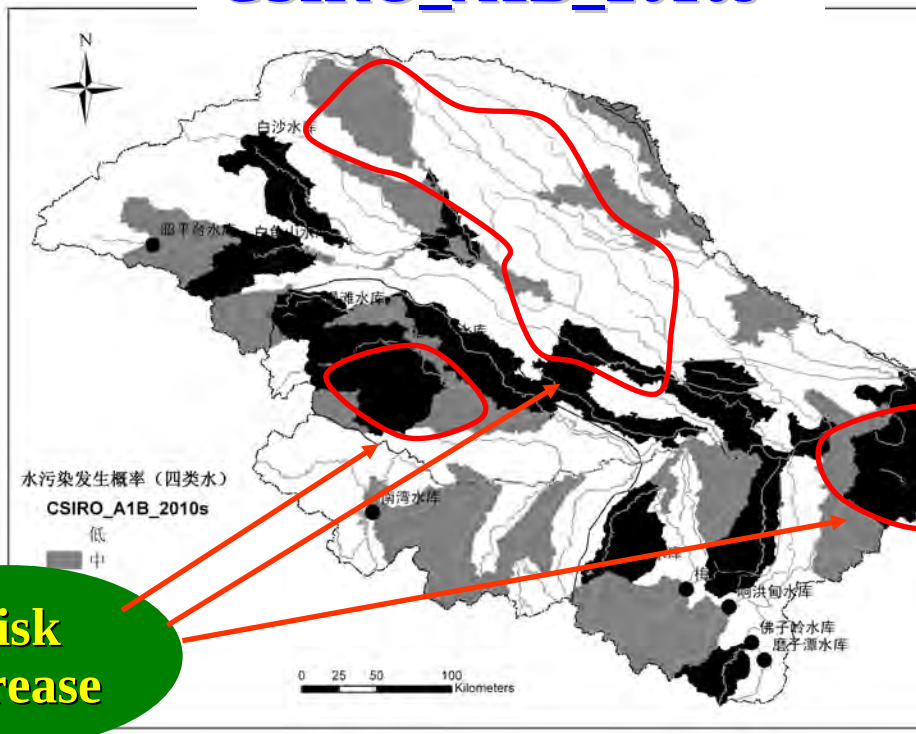


淮河流域1961~2005年不同时段内平均温度的空间分布
（a. 春；b. 夏；c. 秋；d. 冬；e. 汛期；f. 全年）

CSIRO_baseline



CSIRO_A1B_2010s



Risk increase

precipitation： 1239.8 mm
air temperature： 17.5 ℃

precipitation： 1239.5 mm
air temperature： 17.5 ℃

p=29.8% → **p=37.8%**

降水：1239.5 mm；气温：17.5 ℃

One case study

Integrated operations

Operation rules for river health

restoration

Waste water control

River system

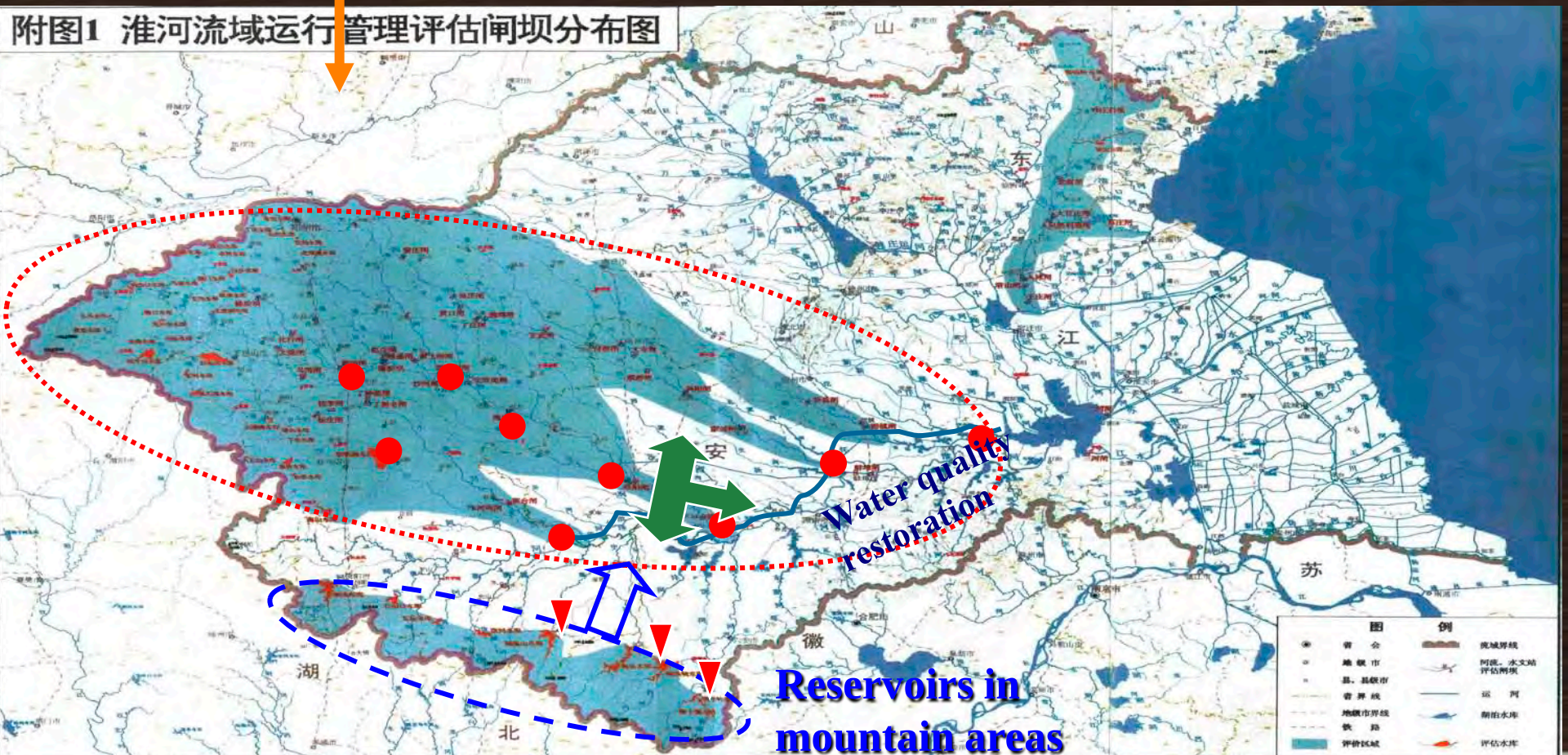
Flood & water quality

Water quality standard in river system

Operation ways

Reservoirs

Water level



Discussions

- How China's Project related Global Catchment Initiative (GCI) could be linked with exciting GWSP -Asia Region / GWSP- Global Project or programme?

- Working Plan in 2011-2014?

3. *Regional Workshops on Climate Change & Water Sustainability.*, Beijing, Nov. 21-22 2009.

IAC –WP,CAS

GWSP-ANSO

GWSP-CNC

Also, participating in several important Asia Conference on water resources

International Workshop on Water Vulnerability & Adaptive Governance under the Climate Change & Development, Beijing, 17-18 September, 2010

Other action related to GWSP-ASNO issue

- ***IGSNRR, Chinese Academy of Sciences is applying the State Key Laboratory of Water Cycle & Water System Governance in China.***

- ***This is first time in China to apply State Key Laboratory to focus on GWSP issue in initiative of catchments***

- ***There is very strong competition. If it is successful for CAS, Chinese Government (MST) will provide financial support 10 Million RMB / year.***